

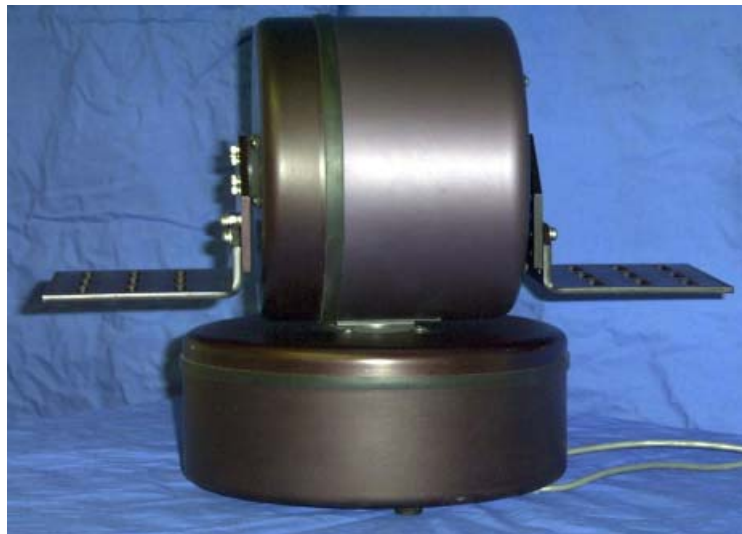
Model 20 Servo Pan & Tilt Gimbal



Date Revised: 30 JAN 04

VENDOR DESCRIPTION

Lightweight, zero backlash, high resolution, on-board 32-bit processor to control motors and payload devices including power and zoom control for cameras via computer or joystick. Easily adaptable for all types of sensors. Hollow drives allow for internal power and control cabling for multiple payloads. Model 20s have been operated on inland and marine fixed mounts as well as on HMMWVs and backhoes and internally on aircraft. Integrated sensors include EO/IR/LD, CWD, Imager IR, LRF, Uncooled IR, optics, communications antennas and many types of daylight cameras.



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Business Category: Small Business

Misc

Hardware

Power: 140 watts, 8 watts nominal

Travel Rate: 120°/sec

Weight: 13 lbs

Position Resolution: 0.004°

Dimensions: 330mm (H) x 223mm (W) x 230mm (D)

Power: 24 VDC

Payload Capacity: 20 lbs

Camera Power: 2 amps @ 12 VDC

Payload Max. Inertia: 0.16 (pan) x 0.16 (tilt) kg-m²

Interface: RS 232 or RS 422

Az / El Range: 360° / +95° to -35°

MTBF: >2000 hrs est.

MTTR: 8 hrs avg.

Options

Heavy-duty pan axis bearing for added stiffness

Coax cable installed internally to payload